

## ABSTRACT

Methods and apparatus are disclosed for performing cross profile guided optimization of program execution. According to one embodiment, optimization of the execution of an application program is achieved by receiving the application program; compiling the application program into a first compiled version for execution by a first processor; executing the first compiled version using the first processor; capturing profile data during the execution of the first compiled version; and compiling the application program into a second compiled version for execution by a second processor, including optimization based at least in part on the captured profile data.